

# A Level Computer Science

## Exam Style Questions

### ***Unit 1.3.3***

### ***Networks***

#### ***Part 1: Network Structure***

Name		Date	
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Score	Percentage	Grade
/ 15		

## Question 1

An architect firm specialises in designing skyscrapers.

The computers in the architect firm's office are connected to a LAN which is connected to the Internet.

The LAN is set up in a client-server network.

Give one advantage and one disadvantage to the architects' firm of a client-server set up rather than a peer to peer setup.

Advantage

Disadvantage

[2]

## Question 2

A company produces digital photo frames (i.e. photo frames that display digital photographs). Several of these photo frames can be placed around a house and connected in a peer to peer network.

Describe what is meant by the term 'peer to peer network'.

[2]

## Question 3

The internet can be considered an example of a WAN.

Describe what is meant by the term 'WAN'.

[2]

## Question 4

Zuhair wants to create a Local Area Network (LAN) for himself and his family, in his home. Describe what is meant by a LAN.

[2]

## Question 5

TCP/IP uses packet switching. Explain what is meant by packet switching.

[4]

## Question 6

InterMovie is a service that allows users to stream movies over the Internet.

When users have played a movie it remains stored in a cache on the user's computer. This means that someone wanting to access the same film in future can stream it from other users rather than directly from the company's servers.

- i. State what this network model is called.

[1]

- ii. Explain why the company might have opted for this model.

[2]